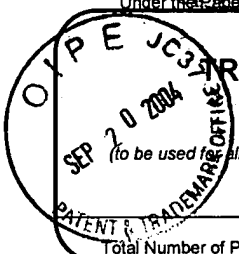


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**TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

Application Number	10/705,562
Filing Date	11-11-2003
First Named Inventor	Graham McElhinney
Art Unit	2863
Examiner Name	Victor Taylor
Attorney Docket Number	PAT025US

Total Number of Pages in This Submission 118

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Mark Thurmon Registry No. 39,858
Signature	
Date	9/14/04

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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Appl. No. 10/705,562  
Docket No. PAT025US

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION:  
Graham McElhinney

SERIAL NO. 10/705,562

CONFIRMATION NO. 5494

FILED: November 11, 2003

FOR: WELL TWINNING TECHNIQUES  
IN BOREHOLE SURVEYING

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§  
§

EXAMINER: Victor Taylor

GROUP ART UNIT: 2863

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Pursuant to Applicant's duty, under 37 C.F.R. § 1.56, 1.97 and 1.98, to disclose all relevant material, the Applicant lists below the following references believed to be relevant to the subject matter of the above-identified application:

FOREIGN PATENTS

	<u>Country-Number</u>	<u>Publication Date</u>	<u>Patentee</u>
1.	GB 2321970	08-12-1998	Gyrodata, Inc.
2.	GB 2331811	06-02-1999	Gyrodata, Inc.
3.	GB 2086055	05-06-1982	Sundstrand Data Control, Inc.

OTHER PUBLICATIONS

1. MCELHINNEY, G.A., MARGEIRSSON, A., HAMLIN, K., and BLOK, I.,  
"Gravity MWD: A New Technique To Determine Your Well Path," 2000

IADC/SPE Drilling Conference, New Orleans, Louisiana, February 23-25, 2000, IADC/SPE Paper Number 59200.

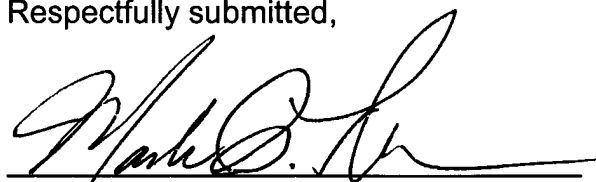
2. Marketing material *MagTraC* 06-03 by Scientific Drilling available for download at <http://www.scientificdrilling.com/pdf/magtrac%20overview.pdf>.

Applicant respectfully submits that the invention in the above-identified application is patentably distinguishable over the cited references known to Applicant and disclosed in the above Second Supplemental Information Disclosure Statement.

This Second Supplemental Information Disclosure Statement is being filed **after** three months following the filing date of this application, but **before** the first Office Action on the merits. 37 C.F.R. § 1.97(b).

Respectfully submitted,

Date: 9/14/04



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Substitute form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

**Complete if Known**

<b>Application Number</b>	10/705,562
<b>Filing Date</b>	11-11-2003
<b>First Named Inventor</b>	MCELHINNEY, Graham
<b>Art Unit</b>	2863
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	PAT025US

Sheet	1	of	1
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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
		Country Code-Number-Kind Code				
	AA	GB-2321970-A	08-12-1998	Gyrodatta, Inc.		
	AB	GB-2331811-A	06-02-1999	Gyrodatta, Inc.		
	AC	GB-2086055-A	05-06-1982	Sundstrand Data Control		

#### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>1</sup>
	AD	MCELHINNEY, G.A., MARGEIRSSON, A., HAMLIN, K., and BLOK, I., "Gravity MWD: A New Technique To Determine Your Well Path," 2000 IADC/SPE Drilling Conference, New Orleans, Louisiana, February 23-25, 2000, IADC/SPE Paper Number 59200.	
	AE	Marketing material MagTraC 06-03 by Scientific Drilling available for download at <a href="http://www.scientificdrilling.com/pdf/magtrac%20overview.pdf">http://www.scientificdrilling.com/pdf/magtrac%20overview.pdf</a> .	

**Examiner  
Signature**

Date  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

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